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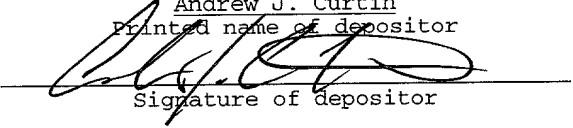


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Andrew J. Curtin  
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\* \* \*

TRANSMITTAL LETTER

The Assistant Commissioner for Patents  
Washington, D.C. 20231

**ATTN: BOX PATENT APPLICATION**

Sir:

Transmitted herewith for filing is the patent application  
of: Lei Cao, Jinyun Zhang, Philip Orlik and Daqing Gu

**FOR: Trellis Based Maximum Likelihood Signal Estimation  
Method and Apparatus for Blind Joint Channel Estimation and  
Signal Detection**

Enclosed are:

- [21] pages of specification, claims and abstract
- [4] sheets of formal drawings
- [x] Declaration and Power of Attorney
- [X] Assignment of the application
- [X] Information Disclosure Statement

The filing fee is calculated as follows:

Parameter	Value	Unit
Temperature	25.0	°C
Pressure	1.0	atm
Flow rate	1.0	L/min
Concentration	0.1	mol/L
pH	7.0	
Wavelength	254	nm
Scan rate	1.0	nm/min
Integration time	1.0	s
Resolution	0.5	nm
Slit width	1.0	nm
Detector	Photodiode array	
Software	ChemStation	
Column	C18	
Mobile phase	Water/Acetonitrile	
Gradient	0-100% ACN in 10 min	
Flow rate	1.0	mL/min
Injection volume	10	μL
Sample concentration	1.0	mg/mL
Calibration	Linear	
Correlation coefficient	0.999	
Detection limit	0.1	ng/mL
Recovery	100	%
Stability	0.5	%
Precision	0.5	%
Accuracy	0.5	%
Linearity	0.5	%
Robustness	0.5	%
Specificity	0.5	%
Sensitivity	0.5	%
Reliability	0.5	%
Reproducibility	0.5	%
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TOTAL FEE	\$ 780.00
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- Patent Department  
Mitsubishi Electric Research Laboratories, Inc.  
201 Broadway  
Cambridge, Massachusetts 02139

Respectfully submitted,  
 MITSUBISHI ELECTRIC RESEARCH LABORATORIES, INC.

Andrew J. Curtin  
Reg. No.: 48,485  
Attorney for Assignee

Customer No. 022199